

Fig. 1

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1 .....IHPISAESLHSHLQQLINDKPQ 22
                                     :||:.|| : ||.|| .
451 PDLNIPHPRMLERTFVLEPLCELISPVHLHPVTAEPIVDHLKQLYDKQHD 500
                                     :||:|| : |||||
23 ETV.....QESSDLLQFIPVSRLPVKDNILKFDQINHKSPPTLIMGIL 64
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
501 EDTLWLKLVPLPYRSGVEPRFLKFKTKATKLDEFTGETNRITVSPTYIMAIF 550
                                     :||:|| : |||||
65 NMTPDSFSFDGGKHFG...KELDNIWKQA.EKLVSEGATIIDIGGVSTRPG 110
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
551 NATPDSFSFDGGEHFADIESQLNDIIKCLKDALYLHESVIIDVGGCSTRPN 600
                                     :||:|| : |||||
111 SVEPTEEEEELERVIPLIRAIQS..... 133
|:: .|||: | |||:| ||:|
601 SIQASEEEEEIRRSIPLIKAIRESTELPQDKVILSIDTYRSNVAKEAIVKG 650

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Fig.2

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251 NDLNEVLQDQCTKIAEKRLQLQDQIDQERQGNFMNVESHNSNPALLPPLKA 300
      1 .....KSIQL 5
301 GQNGNLMRRDRSSVLILEKFWDTELDQLFKNVEGAQKFINSTKGRHILMN 350
      | | :| | | :| | | | | :| | | | | :| | | | | :| | | | |
      6 GIPSN.KKKDRSSIMVLKMMWDSQLQSLFKHVDGASKFVQPLPNRHIVAE 54
351 SANWMELNNTTGTGKPLQMVQIFILNDLVLIADK...SRDKQNDFIVSQCYP 397
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
      55 SGRWFEVNVGNWKPSYPHTLFI FNDLILIAVKKSSSSSQEPTTGGSNGGS 104
398 LKDVTVTQEEFSTKRLLFKFSNSNSSLYECDRADECSRLLDVI..RKAKD 445
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
      105 KSRLQAVQCWPLTQVSLQQIKSPKKDDDKMYFINLKSKSLSYVYLTDTRYD 154
446 DLCDIFHVEEENSKRIRESFRYLQSTQQTPGRENNRSPNKQK..RRSMGG 493
      : | | | | | | | | | | | | | | | | | | | | | | | | |
      155 HFVKVTEAFNKGRNEMIQSERLLDSRLSSPSNNNGDSKEEKRQLRESLRN 204
494 SITPGRNVTGAMDQYLLQNLTLMSHSRPRSRDMSSTAQRLKFLDEGVVEEI 543
      | | | | | | | | | | | | | | | | | | | | | | | | | | |
      205 SGNYKEGVTD DAGGAATG*VT..... 225
```

301 ACCCATGCTGAAATGTTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTT
0 -----
361 TCGTAAAAATAGAGATACCAAACCAGTTCCCGGTGATTACACACAATTGAGAACATTTTT
0 -----
421 CGATAAATTATTGATCGATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAA
0 -----
481 TATTGAAGGAGAAGATTATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTT
0 -----TTAAATATGTGTTGATAGTTACACATGC
||||| |||||||||||||||||||
541 TATTCCTGAATTTGAAAAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGC
29 AGCAACGAAAATTGCTTTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTAT
||||| |||||||||||||||||||
601 AGCAACGAAAATTGCTTTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTAT
89 AGATGATAATCAAACCTGTGTTACGTGCTGGTGCATGTTCAATTATCCAAATTTGTTAGAGA
661 AGATGATAATCAAACCTGTGTTACGTGCTGGTGCATGTTCAATTATCCAAATTTGTTAGAGA
149 TGGCGAAGATAAAACCAATCATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGA
||||| |||||||||||||||||||
721 TGGCGAAGATAAAACCAATGATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGA
209 ATTCTTGACACAGGGTGAAGAAATGAAT-----
|||||
781 ATTCTTGACACAGGGTGAAGAAATGAACTGGGATTTCCGTCGTGGTGTGGAAGCCGGGTC

FIG. 4

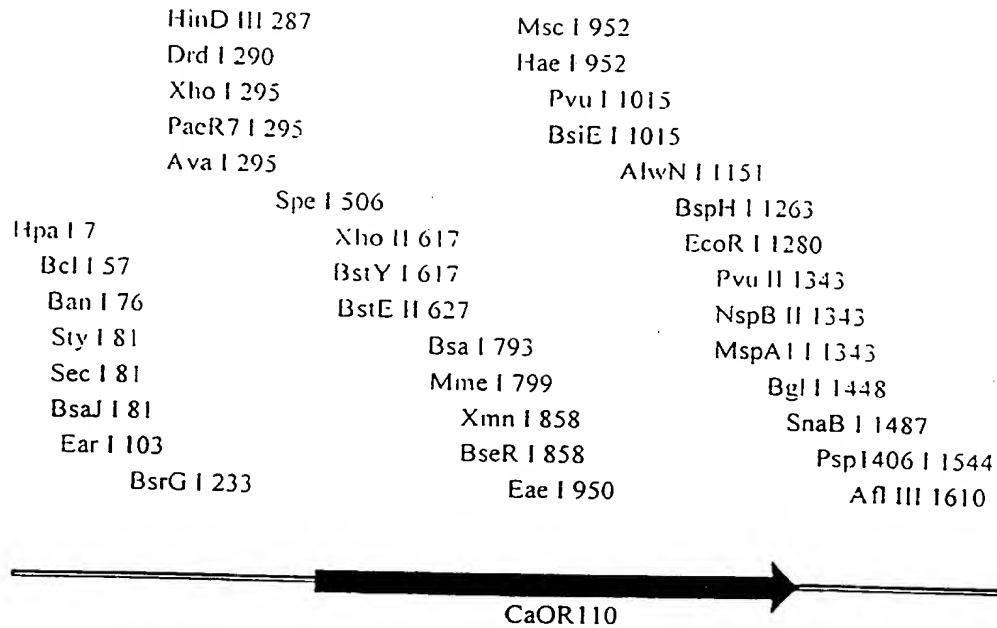
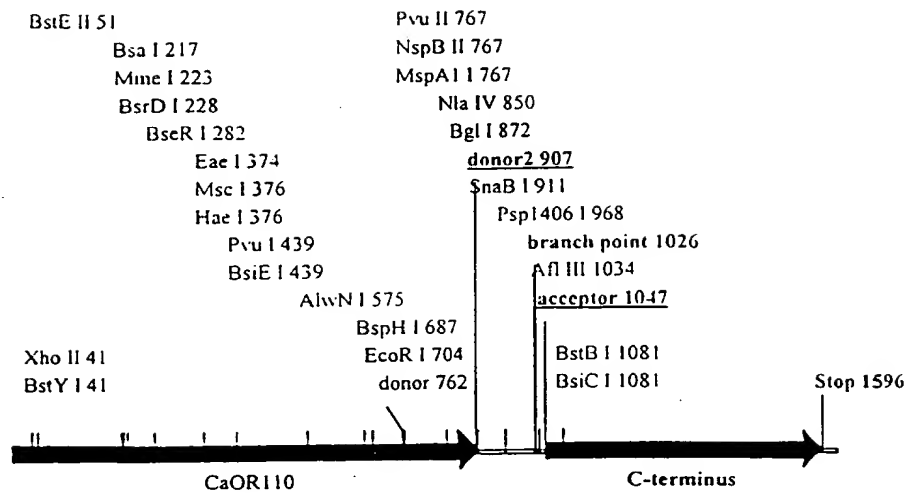


FIG. 5



1	ATGACGATTGAAACTATTTATATCGCAAGACACGGTTATAGATCCAATTGGTTACCACCA	60
1	ATGACGATTGAAACTATTTATATCGCAAGACACGGTTATAGATCCAATTGGTTACCACCA	60
61	CCACACCCACCAAATCCTACTGGTATTGACAGTGACCCGGCTTTAGCACCACATGGTGT	120
61	CCACACCCACCAAATCCTACTGGTATTGACAGTGACCCGGCTTTAGCACCACATGGTGT	120
121	GAACAAGCCCAACAGTTAGCTGCCTATCTTACATCATTACCTACACATGAAAAGCCTGAA	180
121	GAACAAGCCCAACAGTTAGCTGCCTATCTTACATCATTACCTACACATGAAAAGCCTGAA	180
181	TTTATTATTGCTTCACCTTTTTATCGTTGTATAGAAACGTCGAGACCCATTGCCGAAATG	240
181	TTTATTATTGCTTCACCTTTTTATCGTTGTATAGAAACGTCGAGACCCATTGCCGAAATG	240
241	TTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTTTCGTAAAAATAGAGAT	300
241	TTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTTTCGTAAAAATAGAGAT	300
301	ACCAAACCAGTTCCCGGTGATTACACACAATTGAGAACATTTTTCGATAAATTATTGATC	360
301	ACCAAACCAGTTCCCGGTGATTACACACAATTGAGAACATTTTTCGATAAATTATTGATC	360
361	GATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAATATTGAAGGAGAAGAT	420
361	GATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAATATTGAAGGAGAAGAT	420
421	TATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTTTATTCTGAATTTGAA	480
421	TATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTTTATTCTGAATTTGAA	480
481	AAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGCAGCAACGAAAATTGCT	540
481	AAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGCAGCAACGAAAATTGCT	540
541	TTAGGATCAGCTTTATTACAGTTAAATCAGTTACTGATGTTATAGATGATAATCAAAC	600
541	TTAGGATCAGCTTTATTACAGTTAAATCAGTTACTGATGTTATAGATGATAATCAAAC	600
601	GTGTTACGTGCTGGTGCATGTTTCATTATCCAAATTTGTTAGAGATGGCGAAGATAAAACC	660
601	GTGTTACGTGCTGGTGCATGTTTCATTATCCAAATTTGTTAGAGATGGCGAAGATAAAACC	660
661	AATCATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGAATTCCTTGACACAGGGT	720


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1441 ACACAAAATTACATTAAAAAAGGCAGAAGAAGTAGAACAACCTTCGTTTCAGCAGATGATT 1500
      |||
1301 ACACAAAATTACATTAAAAAAGGCAGAAGAAGTAGAACAACCTTCGTTTCAGCAGATGATT 1360
      .
1501 CTATCATGGATATAGATCAAGACTCACAAGGACAACAACCAGCTAGAAGTCAGTTCTTAA 1560
      |||
1361 CTATCATGGATATAGATCAAGACTCACAAGGACAACAACCAGCTAGAGTCAGTTCTTAA 1420
      .
1561 AAAGAGCAATTGTGGCTGCTAGAGCCAAAGGTAAATAAATGCTATTTTGTTATTATTATA 1620
      |||
1421 AAAGAGCAATTGTGGCTGCTAGAGCCAAAGGTAA----- 1454

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9 / 9

FIG. 7

